

DESCRIPTION

A METAL MEMBER TO BE CAST-WRAPPED AND A METHOD FOR MANUFACTURING
A METAL MEMBER TO BE CAST-WRAPPED

TECHNICAL FIELD

The present invention relates to a metal member to be cast-wrapped by a metal cast article, a method for manufacturing the metal member to be cast-wrapped and a metal cast article including the metal member to be cast-wrapped.

BACKGROUND ART

A light metal member to be cast-wrapped by a light metal cast article, which has a rough uneven outer surface formed by shot-blast blowing hard coarse pyramidal or sharp grains against the outer surface, has been known (Japanese Laid-open Patent Publication Hei 10-94867).

In the above-mentioned light metal member to be cast-wrapped, an outer surface of the hard coarse grain is required to have a sharp edge, in order to make the outer surface of the light metal member rough.

When the outer surface of the light metal member to be cast-wrapped is made rough using the hard grains, bottoms of the rough surface are formed in sharp ravines by sharp edges of the hard coarse grains, but tops of the rough surface are not necessarily formed in sharp peaks. Further, it is required that mean grain size of the hard grains is 70 μm and distribution of the grain sizes is a nearly a predetermined normal distribution. If velocity of an air jet for blowing the hard coarse grains and ratio of amount of the air jet and amount of the hard coarse grain are not appropriate, a desired rough surface can not be obtained.

Since the above-mentioned hard coarse grain is a high-class corundum particle which is a fragile hard material with broken sharp edge, it is inevitable that the hard coarse grain becomes fine by the shot-blast. Therefore, in order to

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